

Title: WAFER ENGINE  
Docket: SYS8196US0  
Serial: Unknown  
Confirmation: Unknown  
Filed: Herewith

Inventor(s): Anthony C. Bono  
Attorney: Scott D. Sanford  
Phone: (415) 362-3800  
Express Mail No.: EL670726207US

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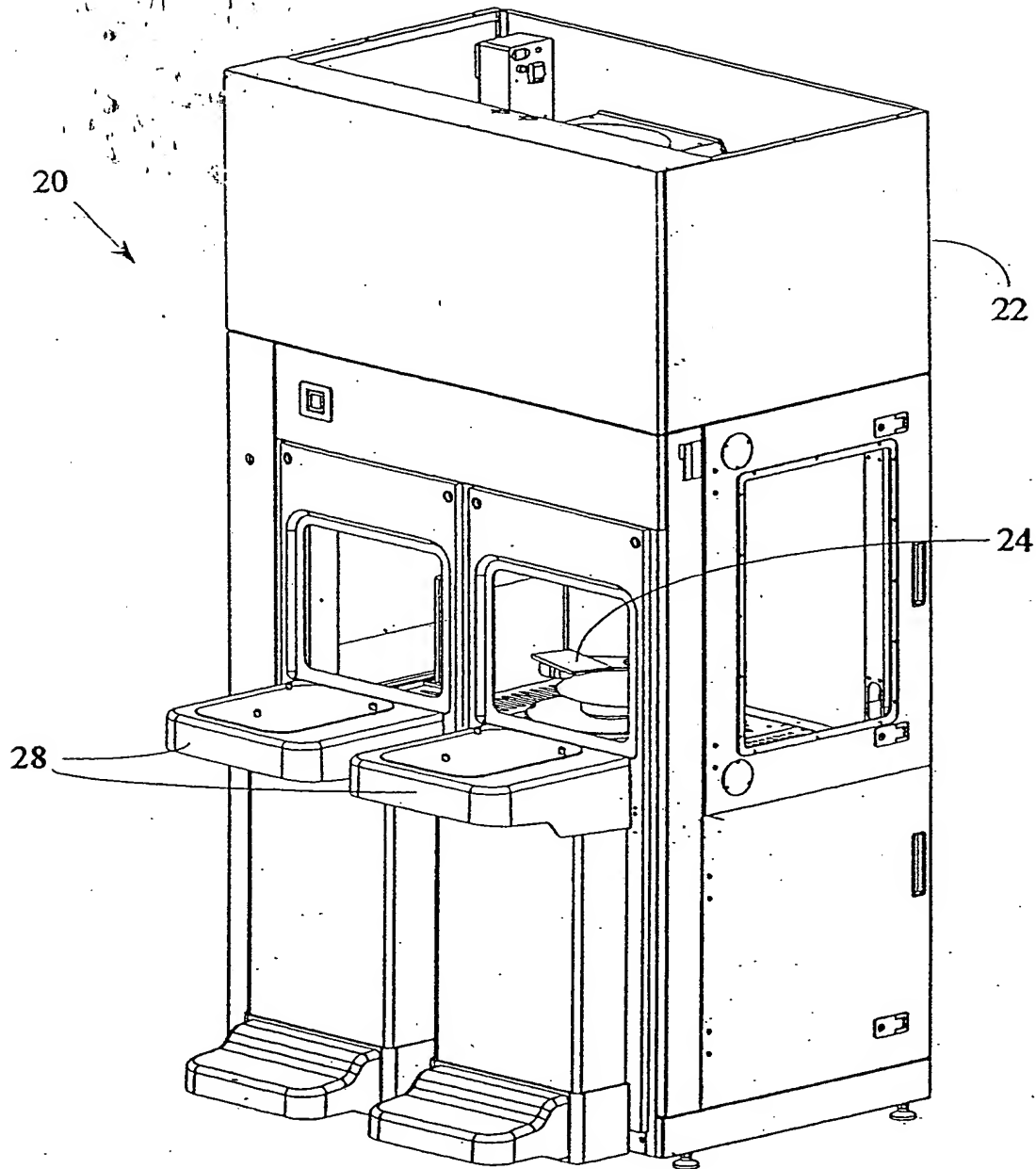


FIG. 1

10087400.030102

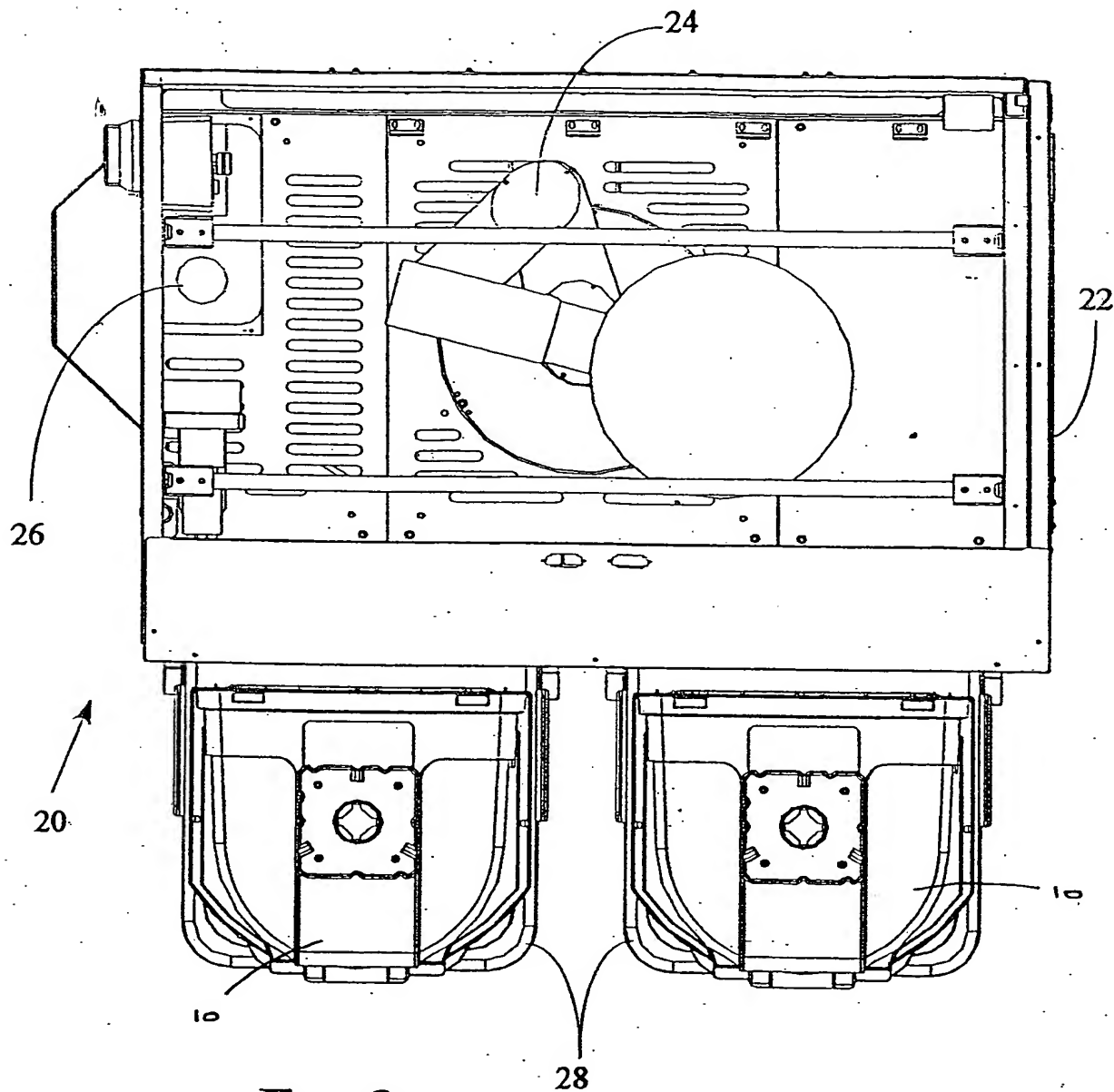


FIG. 2

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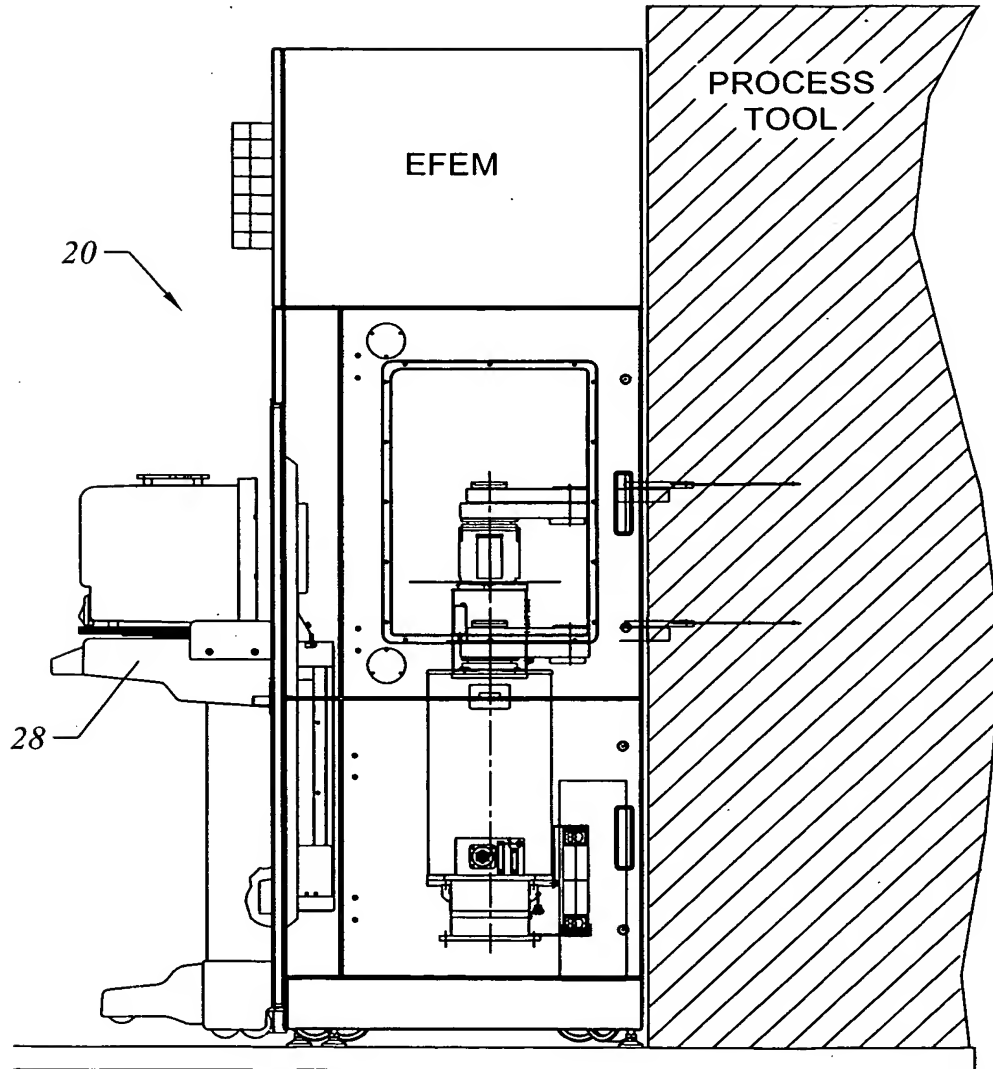


FIG. 3

10087400.030102

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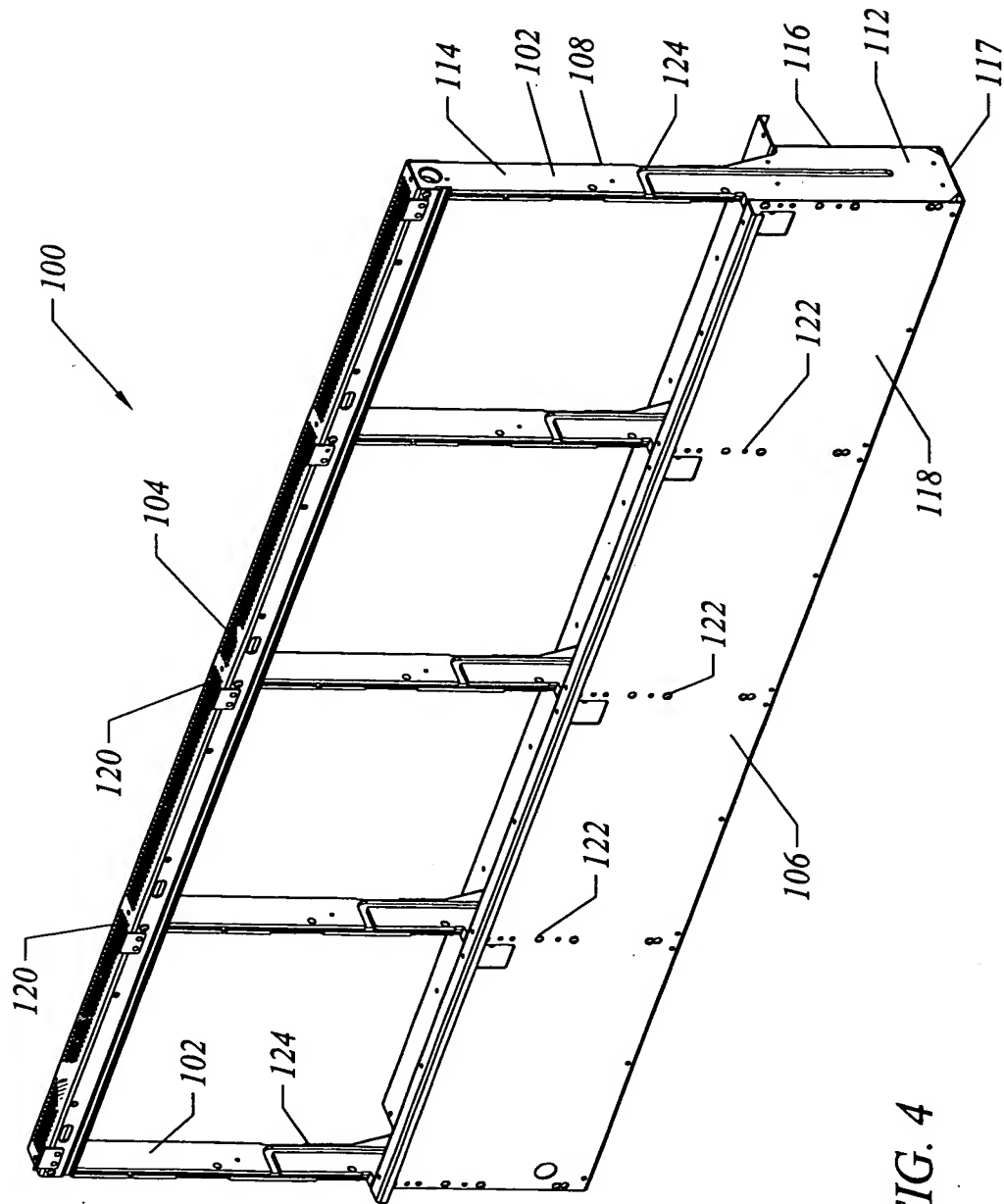


FIG. 4

EL670726207US

16032400-040107

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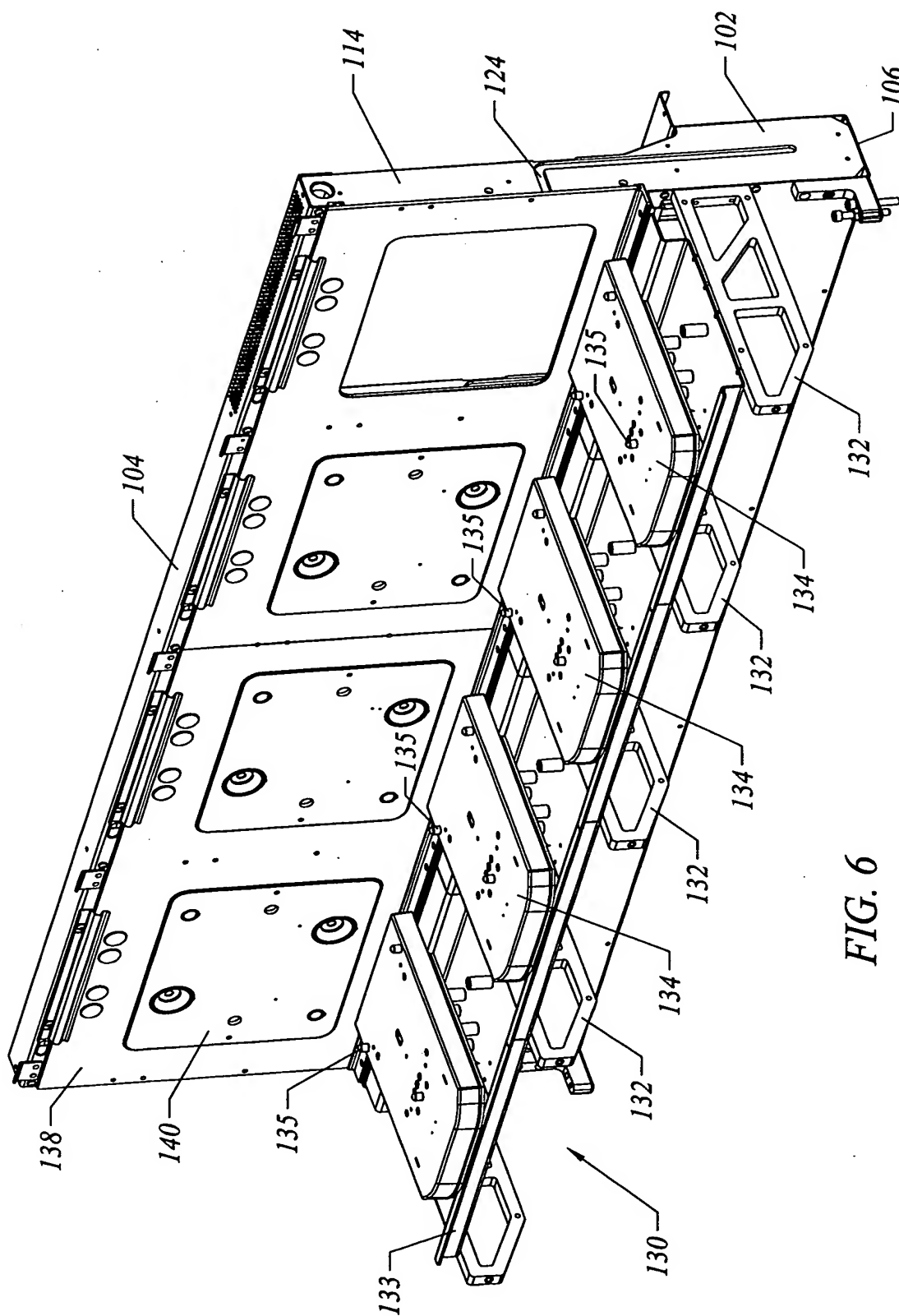


FIG. 6

10087400-030102

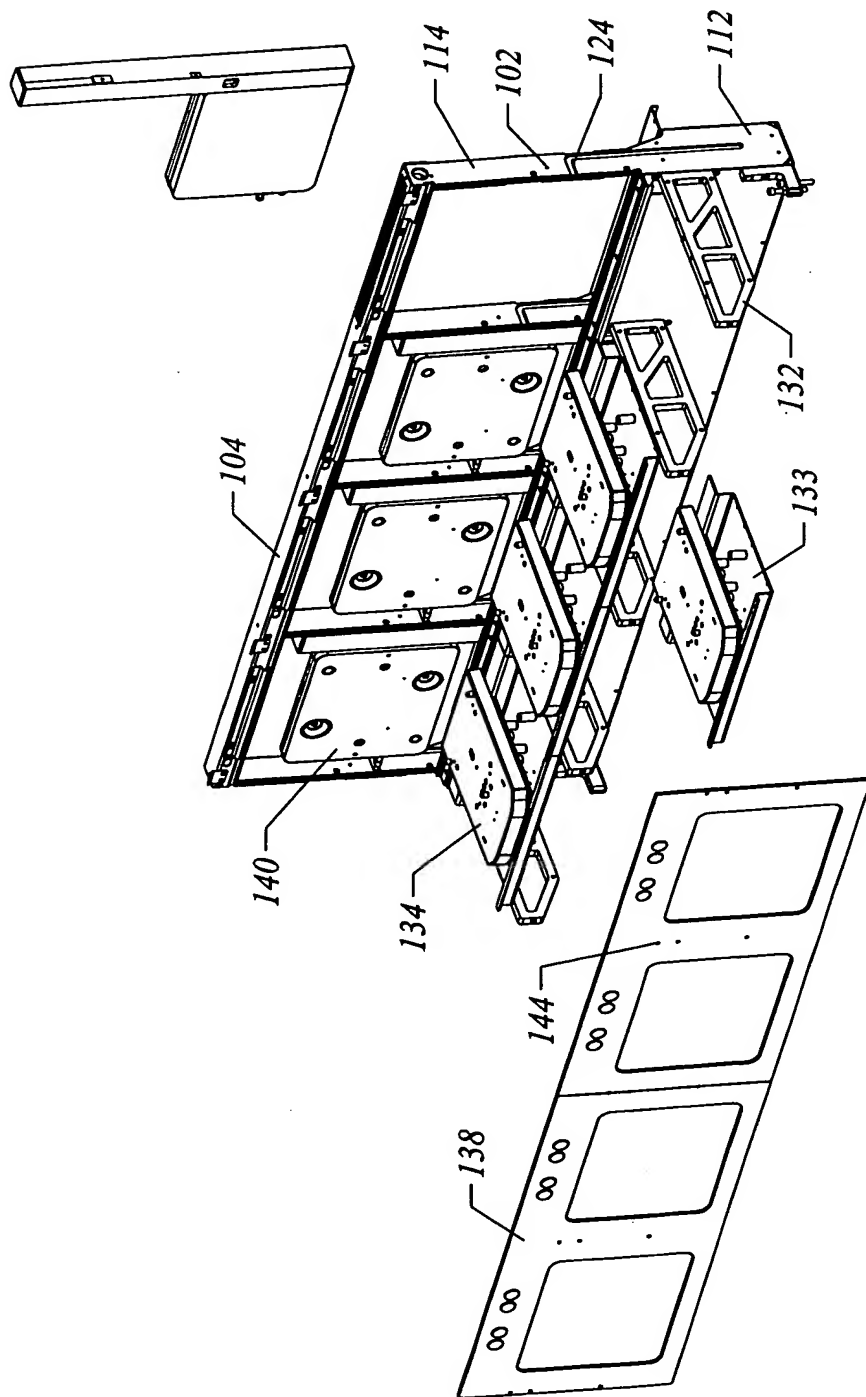


FIG. 7

20100200043001

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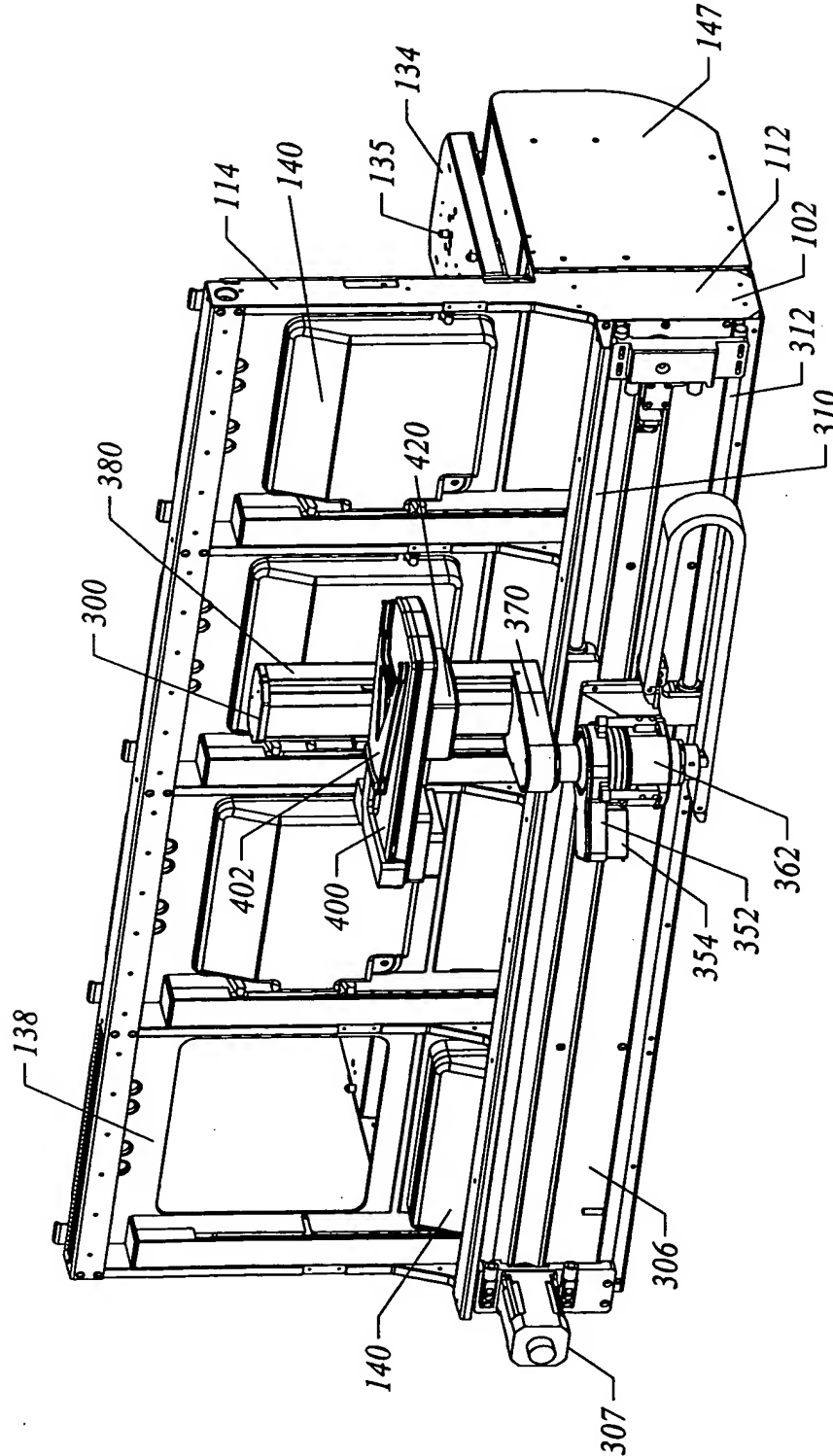


FIG. 8

2070E0" 0042800T



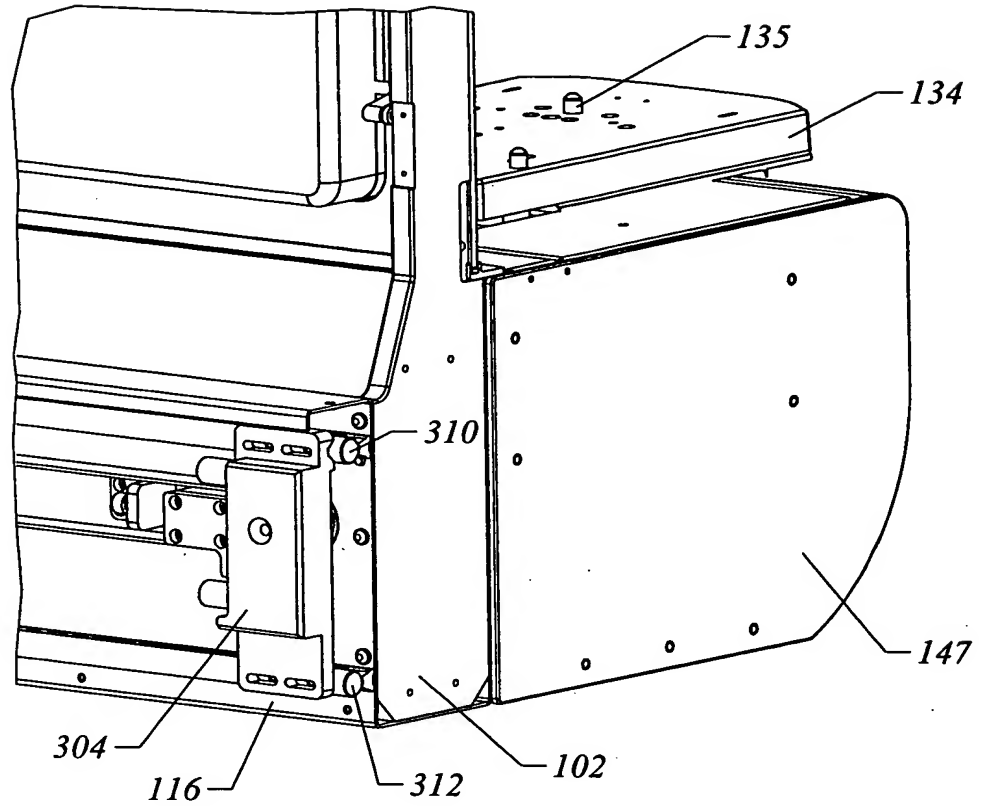


FIG. 9

10087400.030102

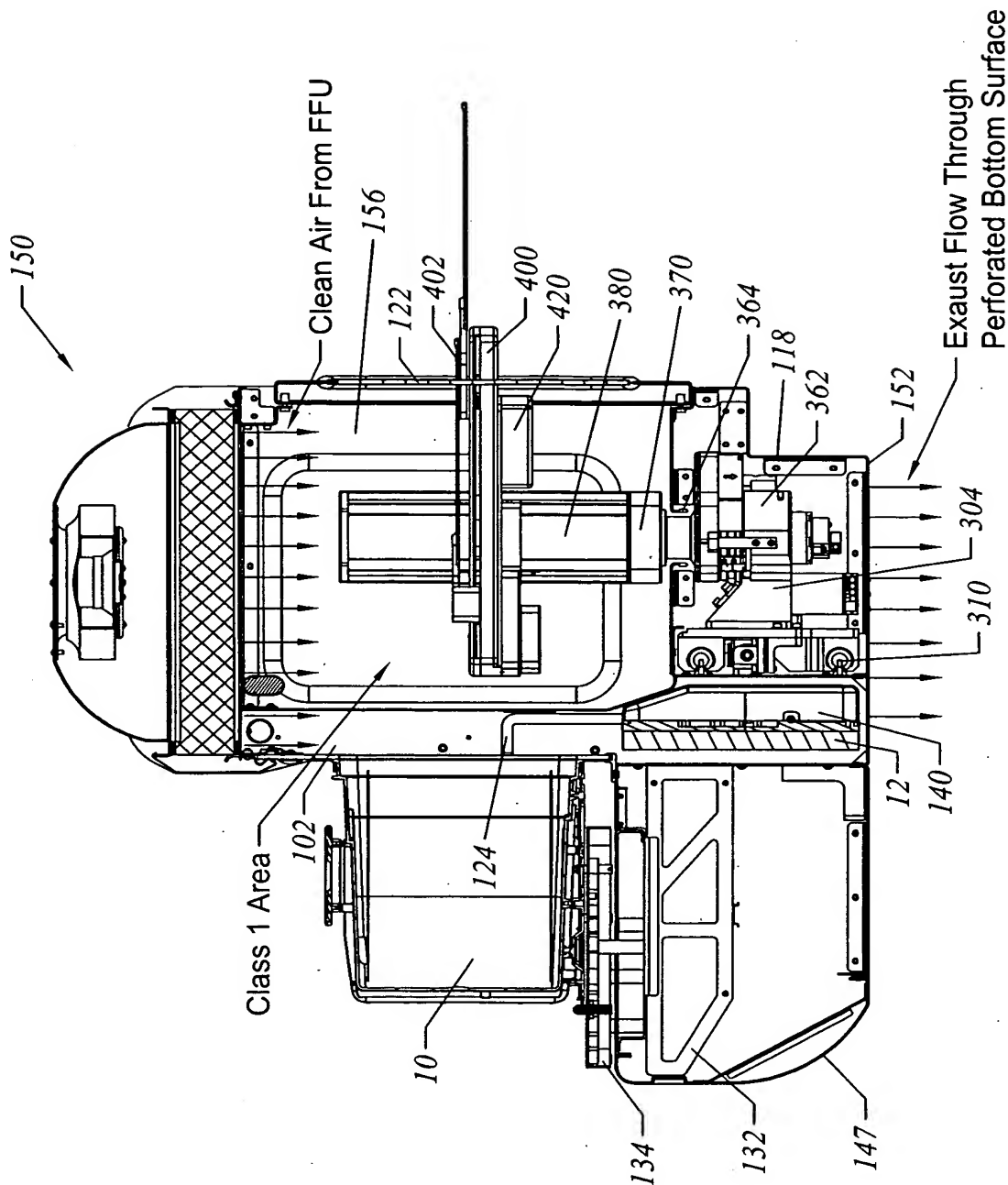


FIG. 10

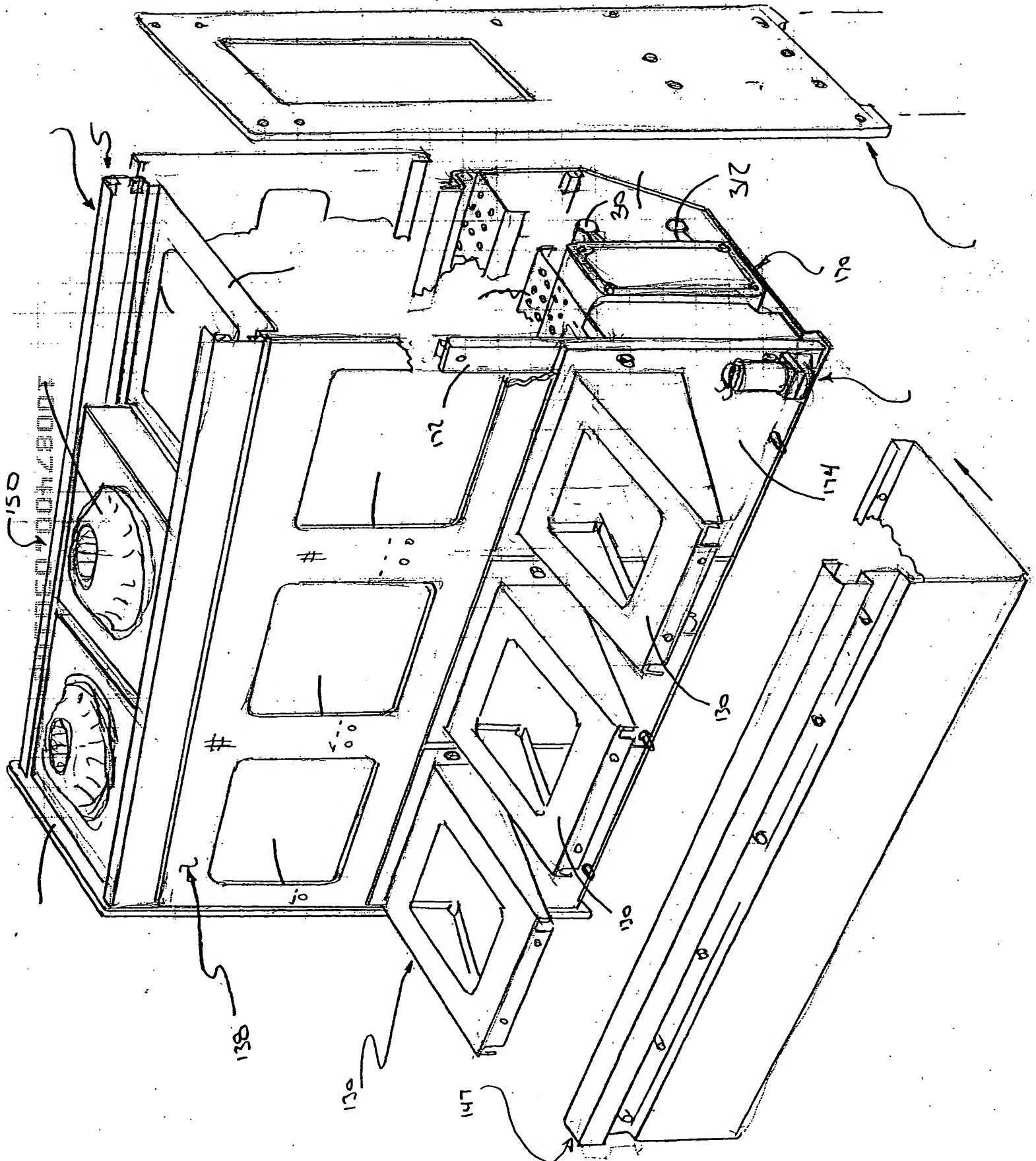


FIG. 11

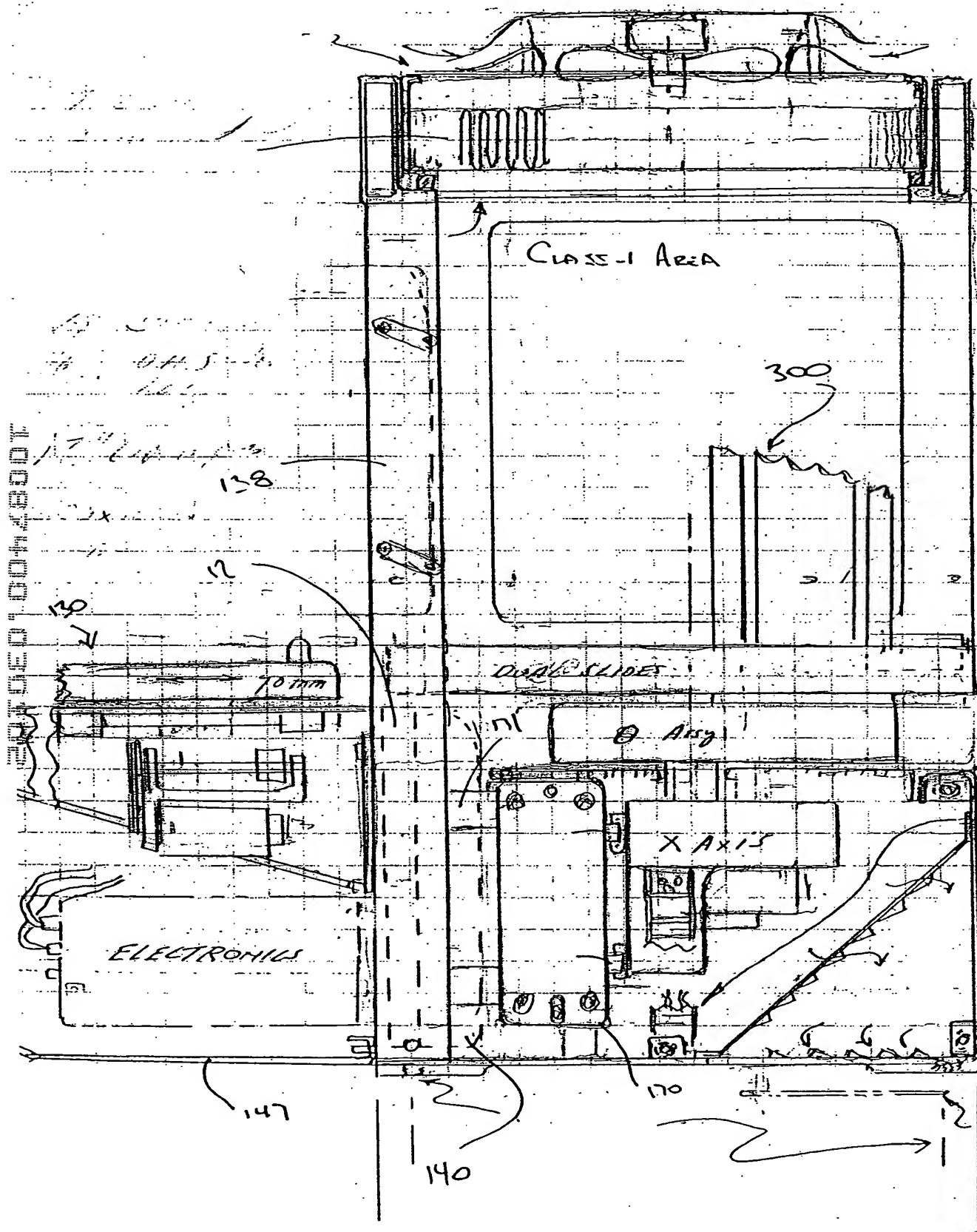


FIG. 12

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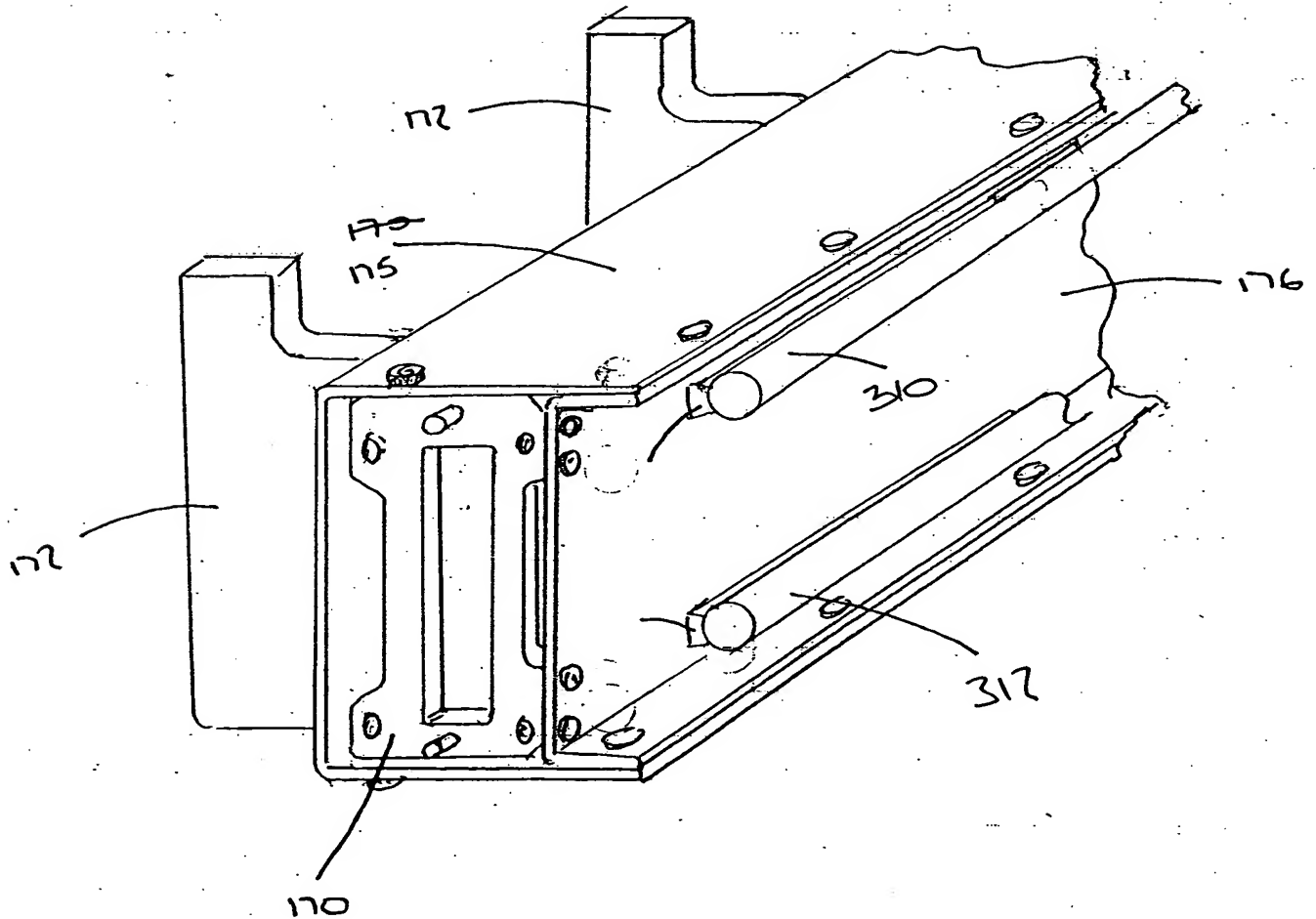
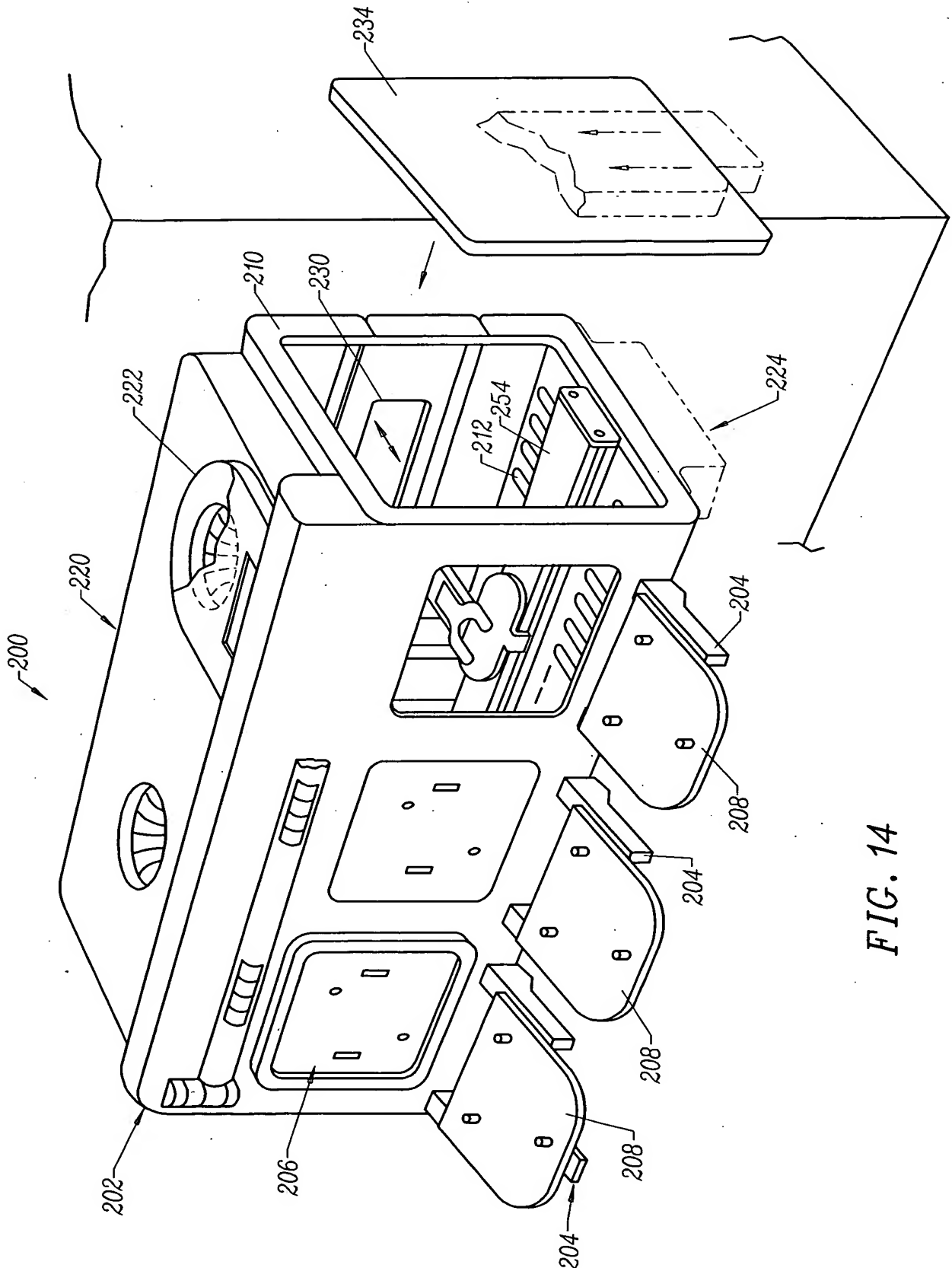
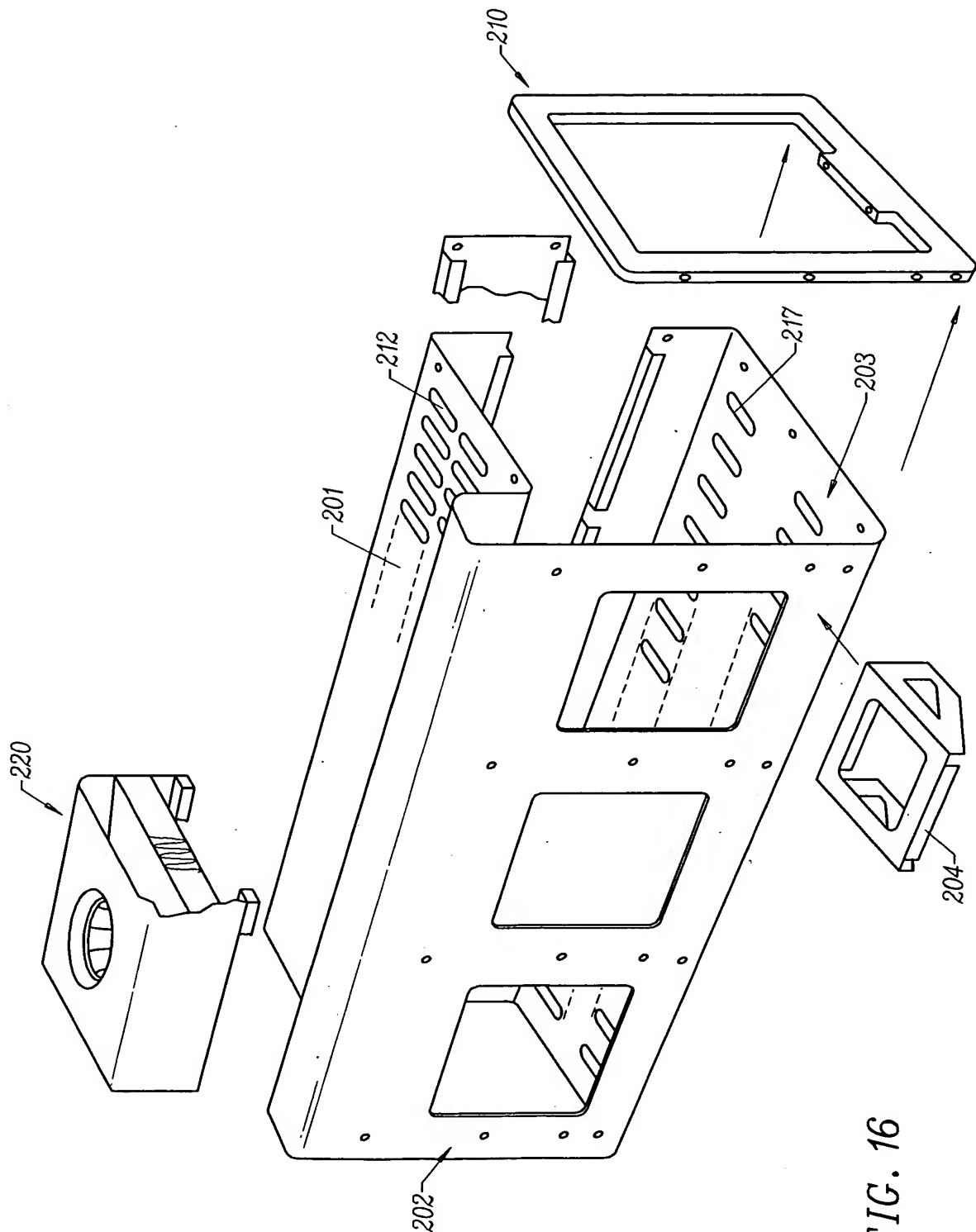


FIG. 13

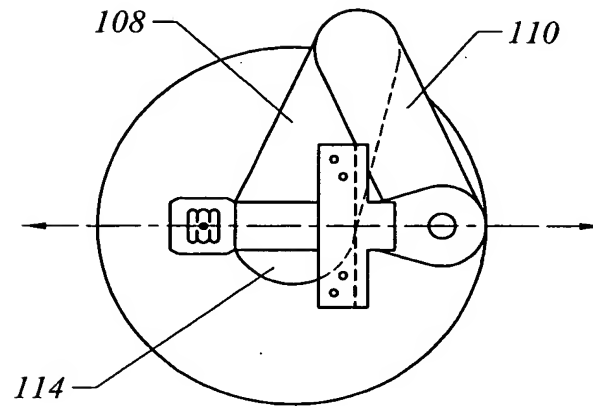


**FIG. 14**

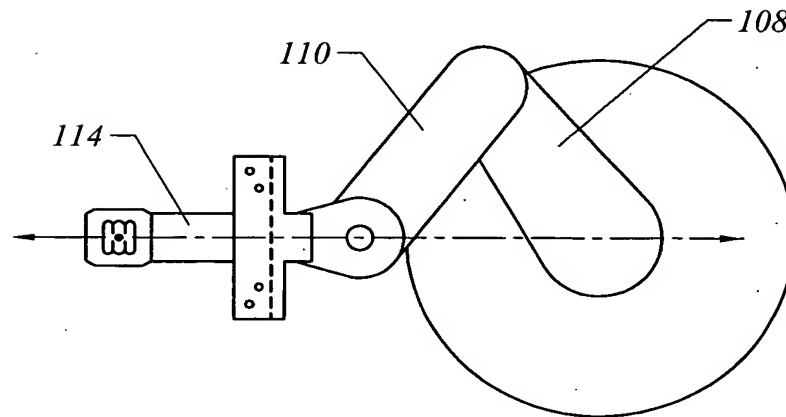
1005700-0010







*FIG. 17A*  
(Prior Art)



*FIG. 17B*  
(Prior Art)

20100400.030102

Title: WAFER ENGINE  
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Form No.: Unknown  
Filed: Herewith

Inventor(s): Anthony C. [REDACTED] et al.  
Attorney: Scott D. [REDACTED]  
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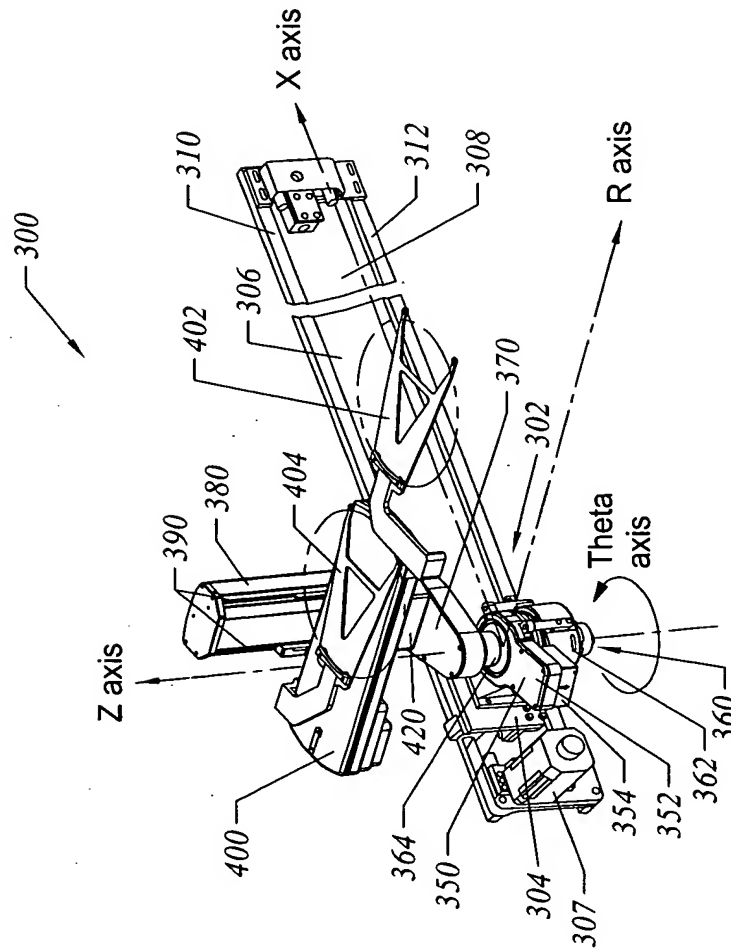


FIG. 18

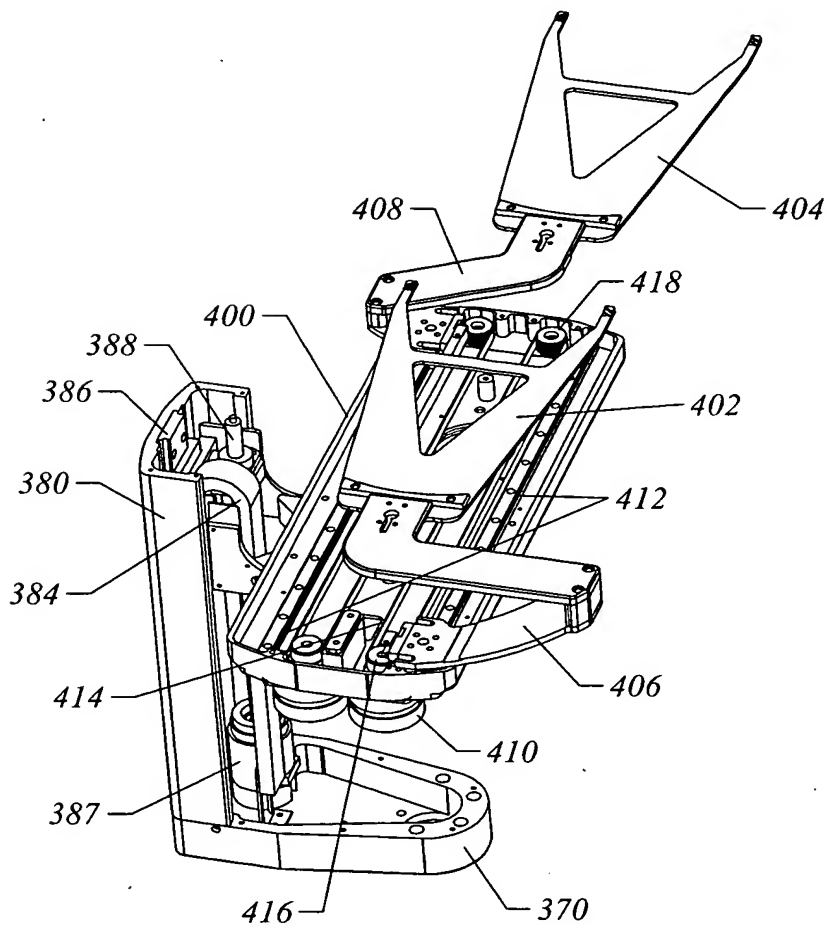


FIG. 19

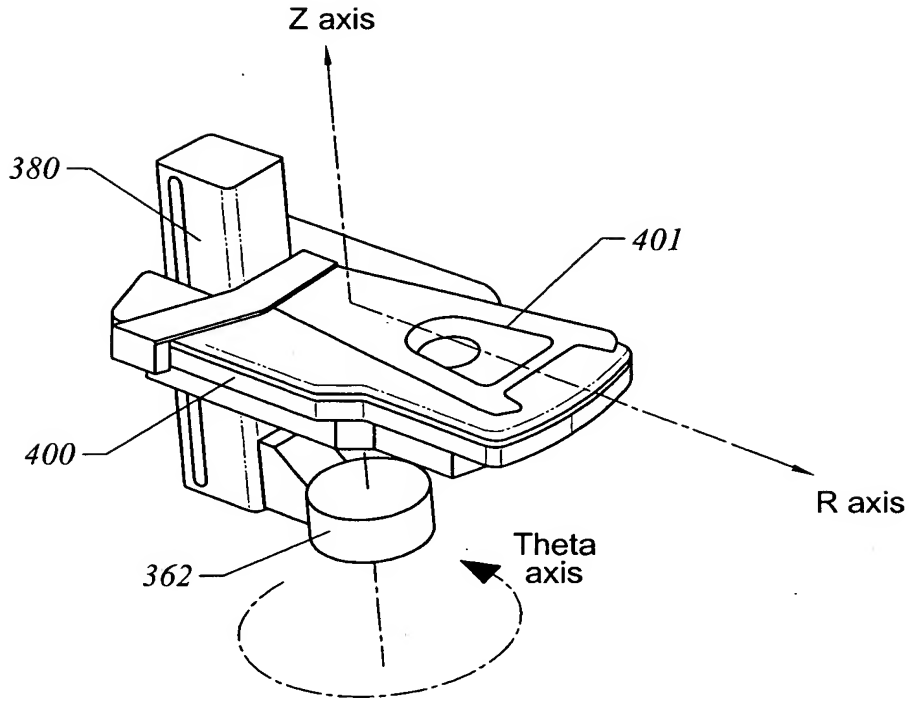


FIG. 20

10087400.030102

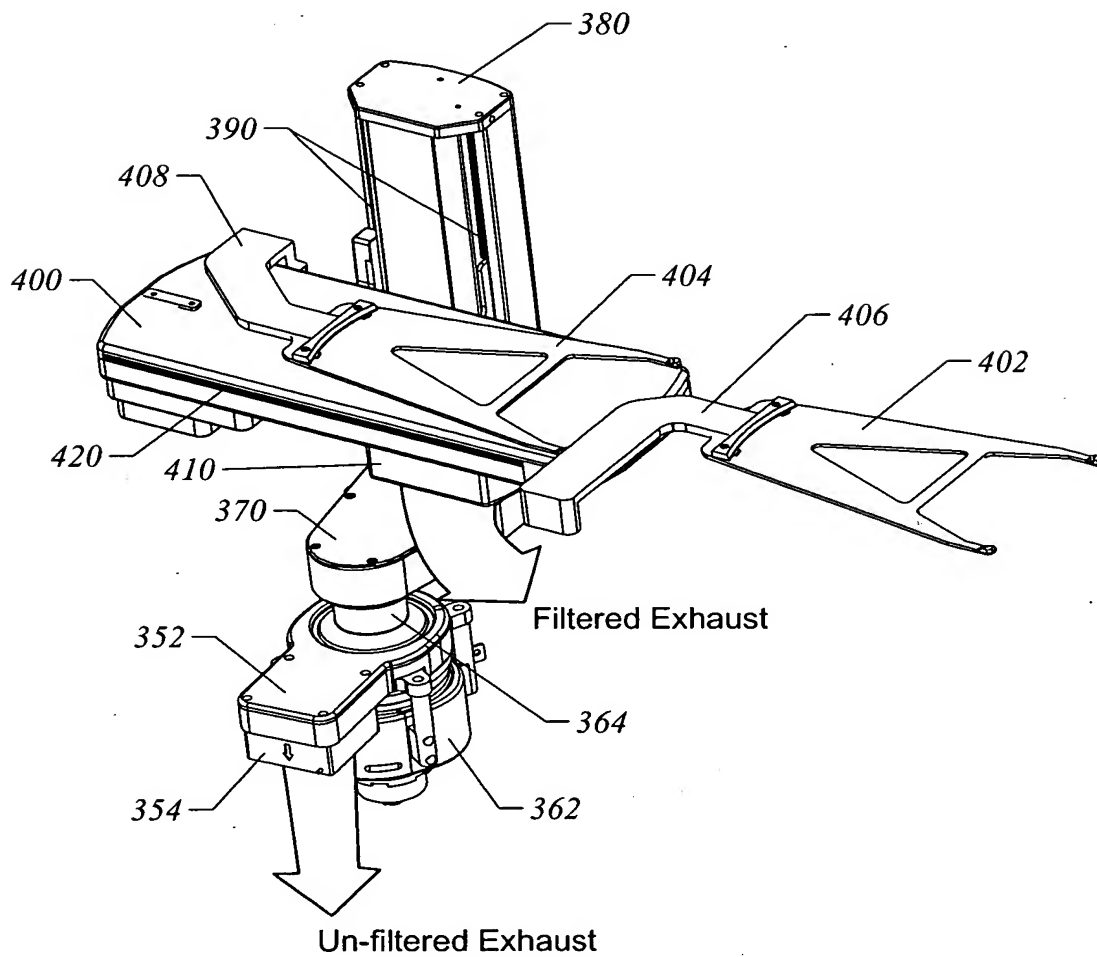


FIG. 21

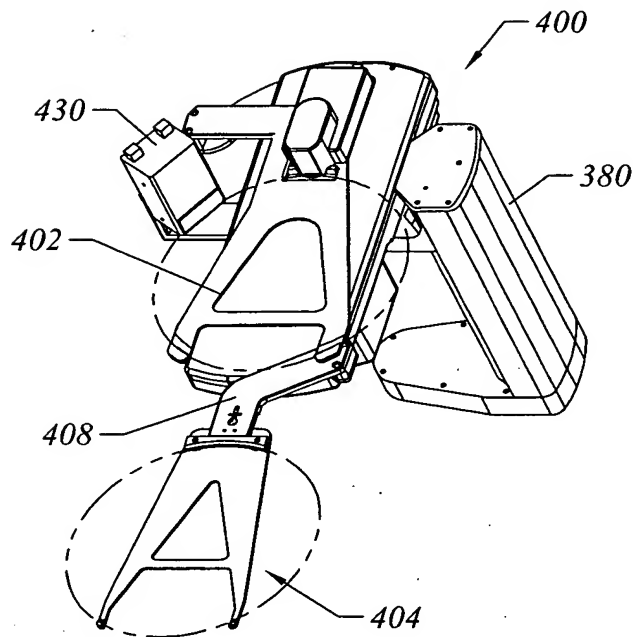


FIG. 22A

10087400.030102

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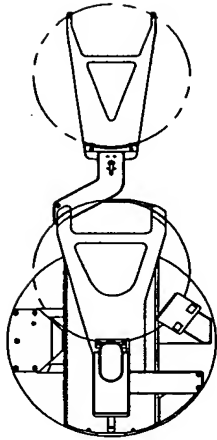


FIG. 22B

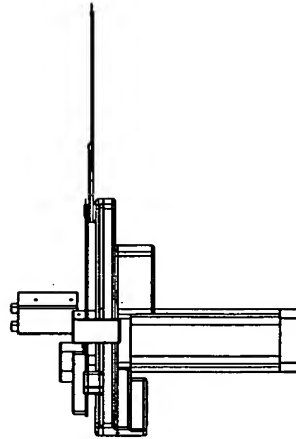


FIG. 22C

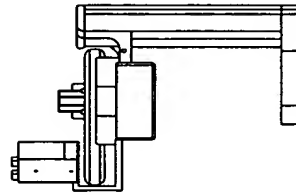


FIG. 22D

2070ED 0042800T

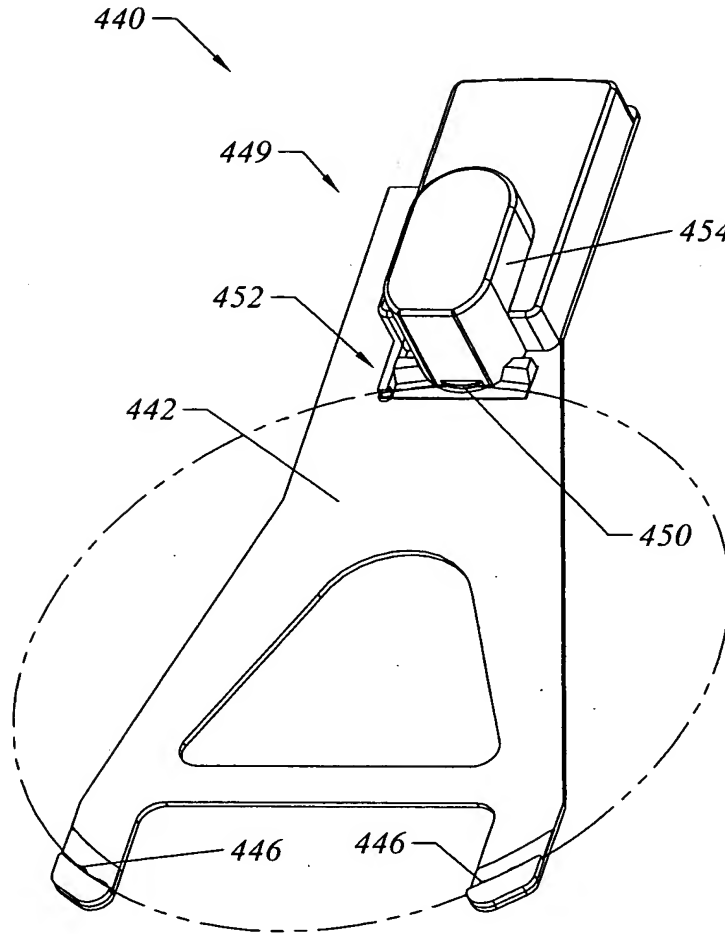


FIG. 23

10067400.030102



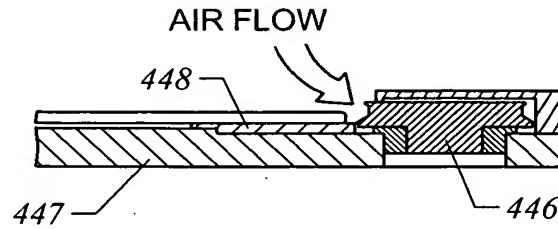


FIG. 24A

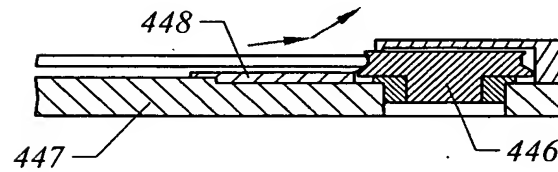


FIG. 24B

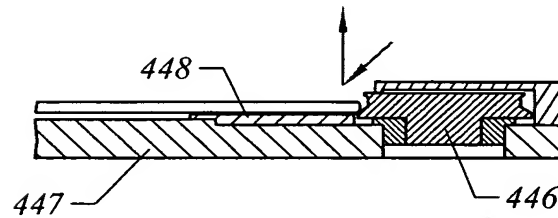


FIG. 24C

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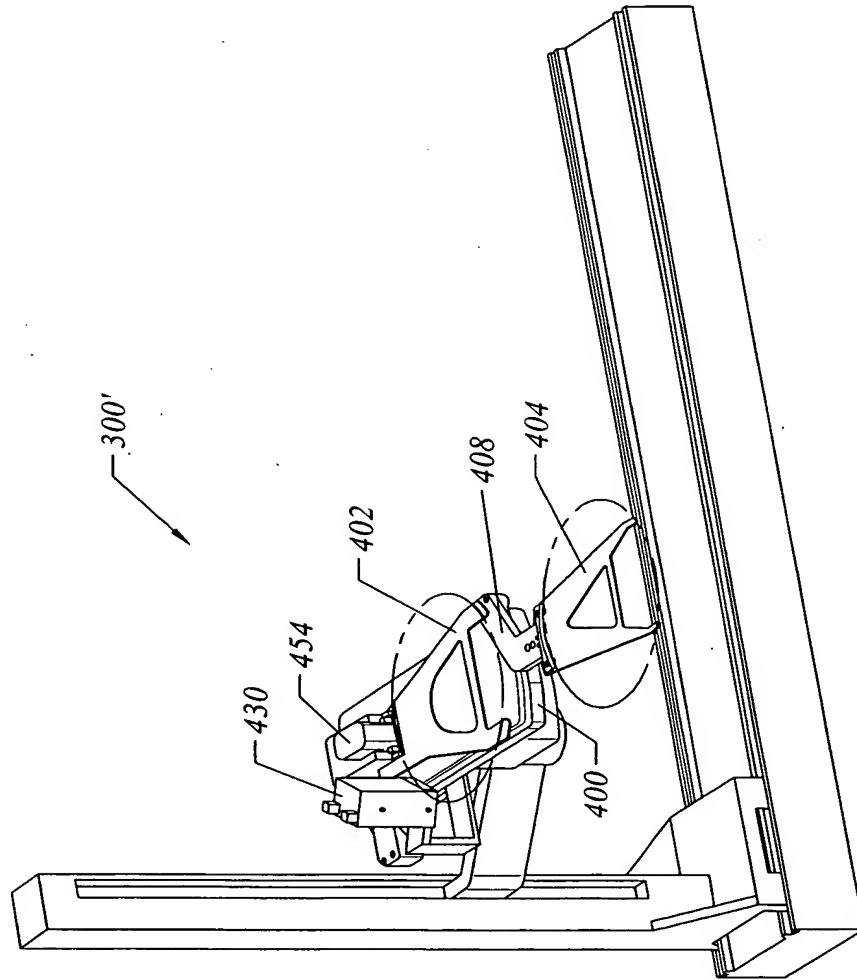


FIG. 25

2070E0" 0042800T

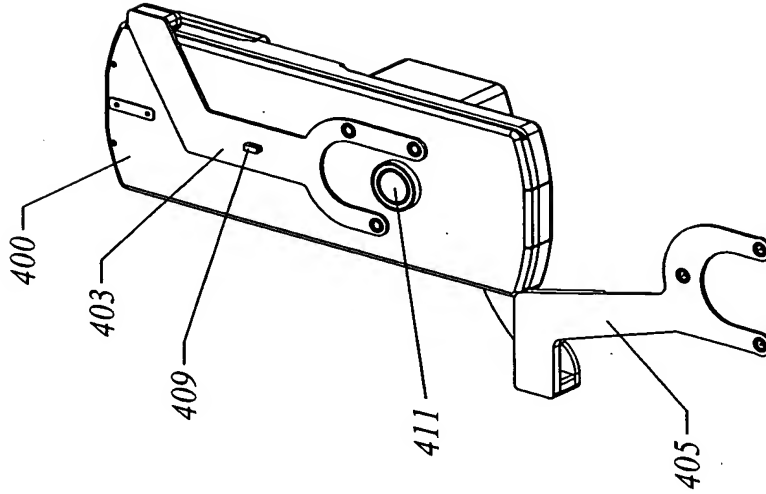


FIG. 26B

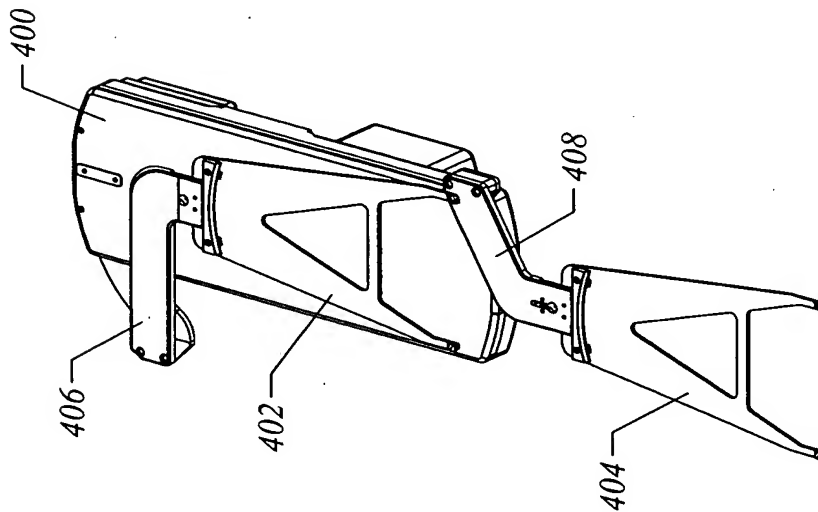
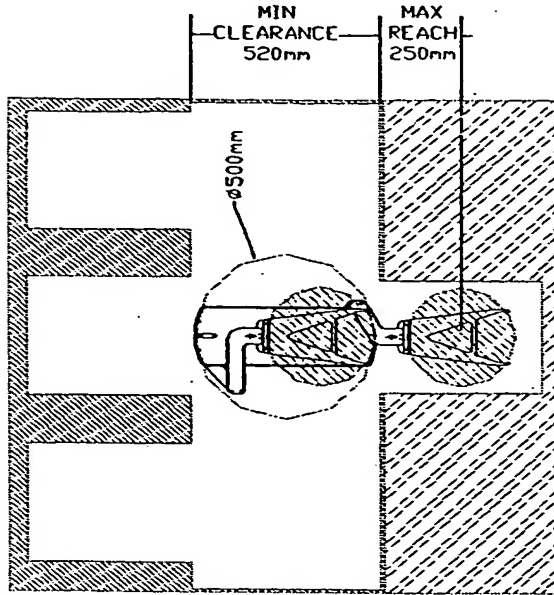


FIG. 26A

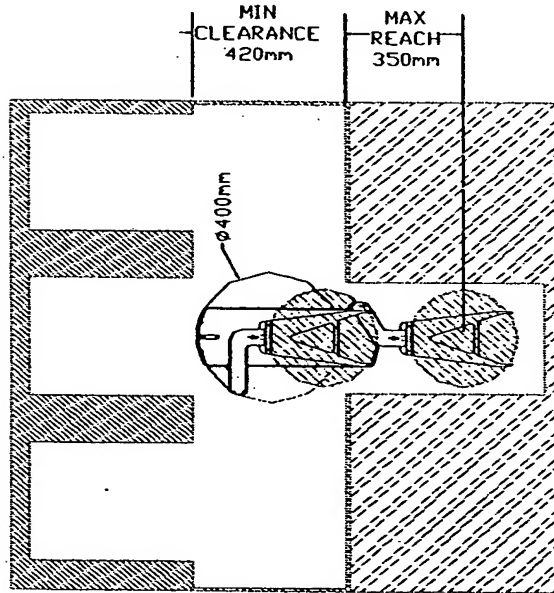
207050" 00428001

2010E0044900T

Conventional Linear Slide Robot



Off-Center Slide-Body (50mm offset)



EFEM Process Tool

FK.27B

FK.27A

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Example motion sequence for rapid swap slide-body with off center rotation axis.

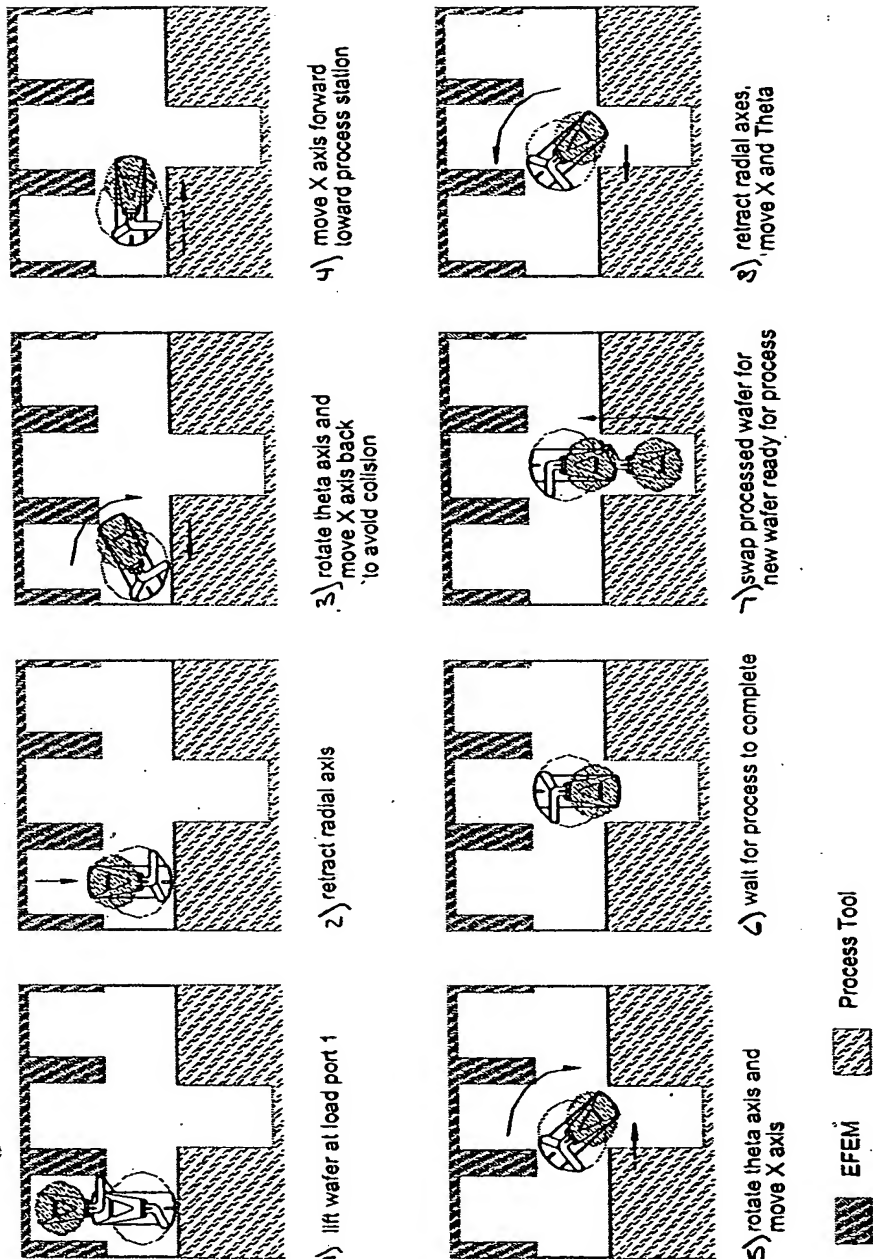


FIG. 28

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Inventor(s): Anthony C. Borja et al.  
Attorney: Scott D. Sanford  
Phone: (415) 362-3800  
Express Mail No.: EL670726207US

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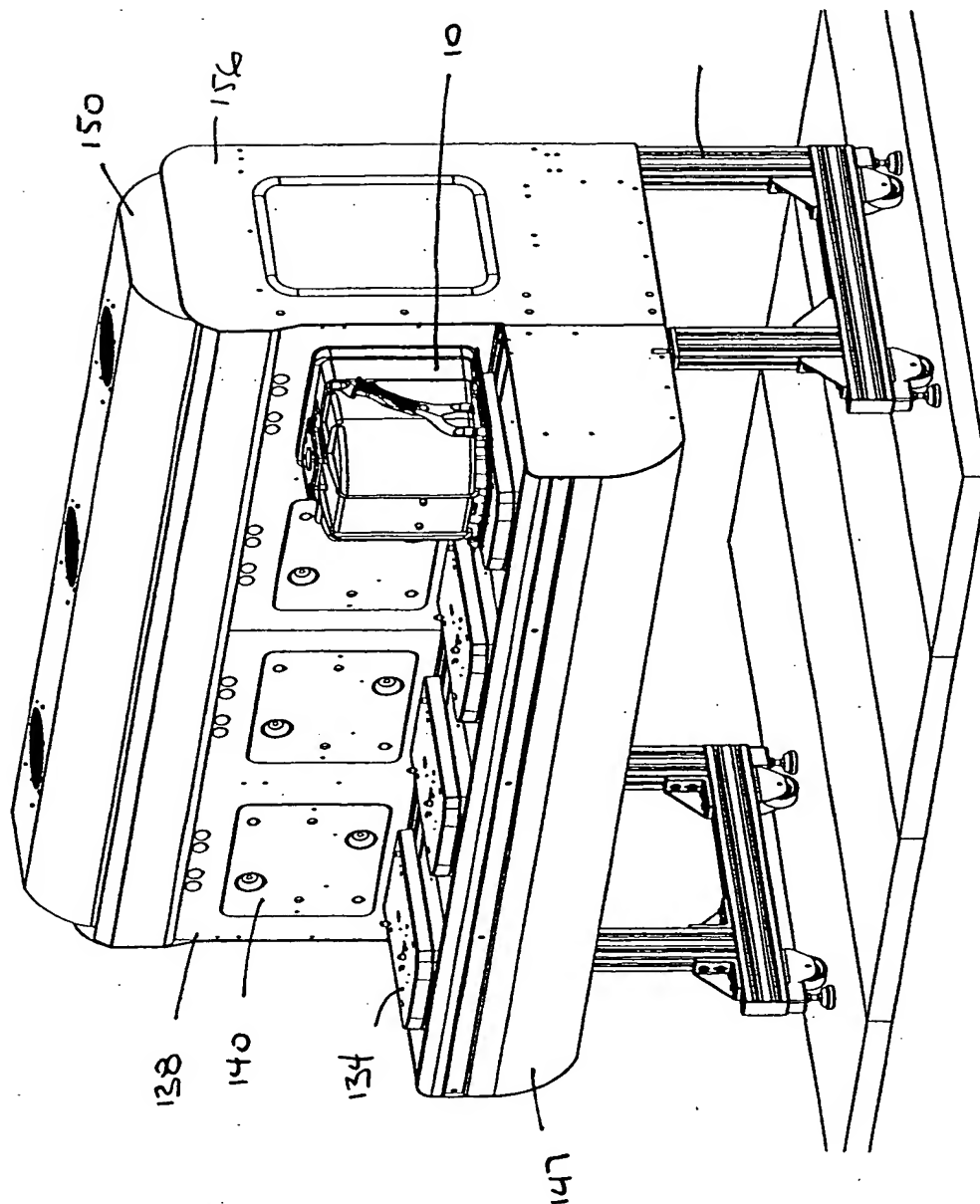


FIG. 29A

10067400.030102

2010040003010

Title: WAFER ENGINE  
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Filed: Herewith

Inventor(s): Anthony C. [redacted] et al.  
Attorney: Scott D. Sa [redacted]  
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Express Mail No.: EL670726207US

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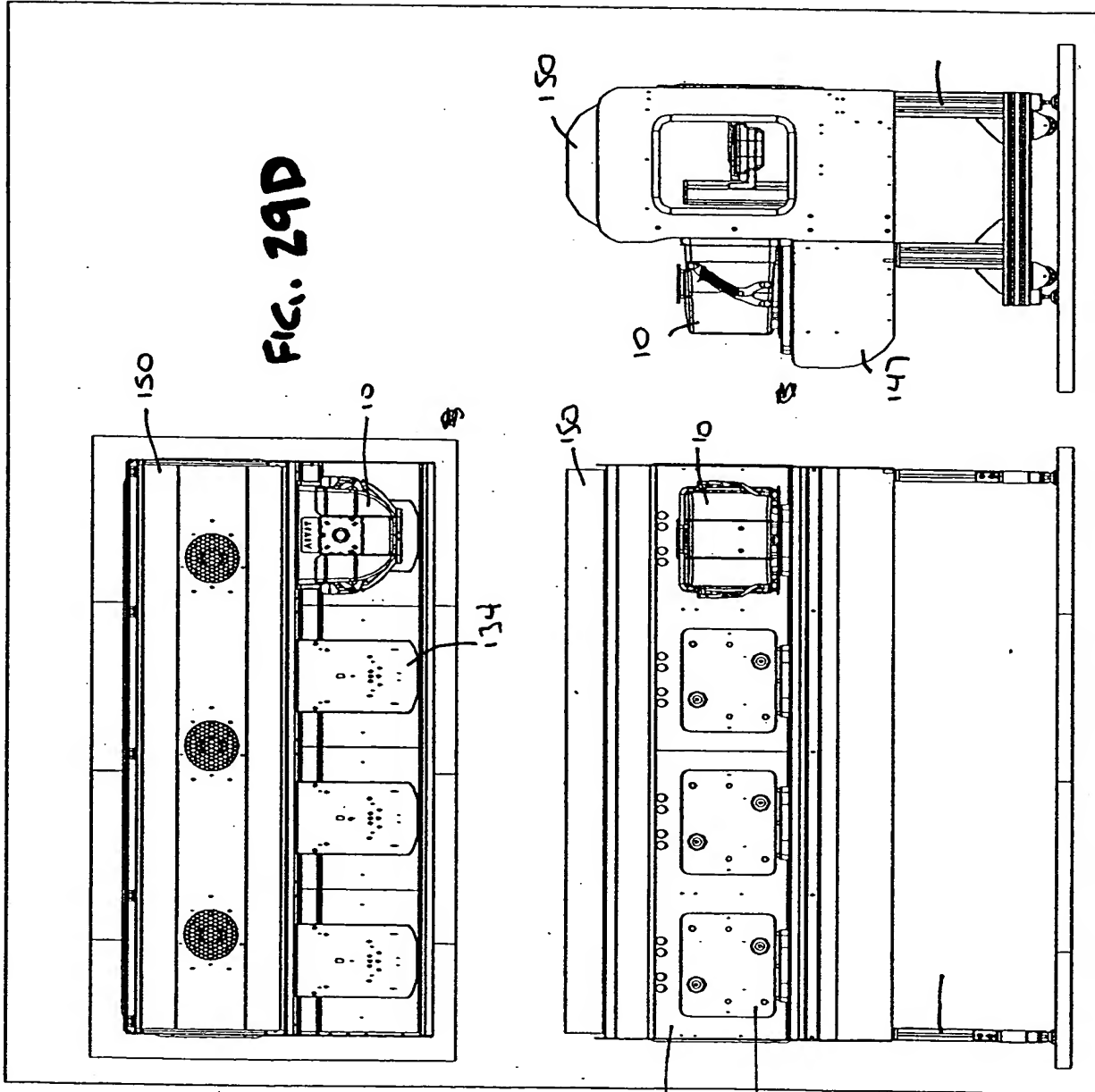


FIG. 29C

FIG. 29B

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Confidentiality: Unknown  
Filed: Herewith

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Attorney: Scott D. Sanford  
Phone: (415) 362-3800  
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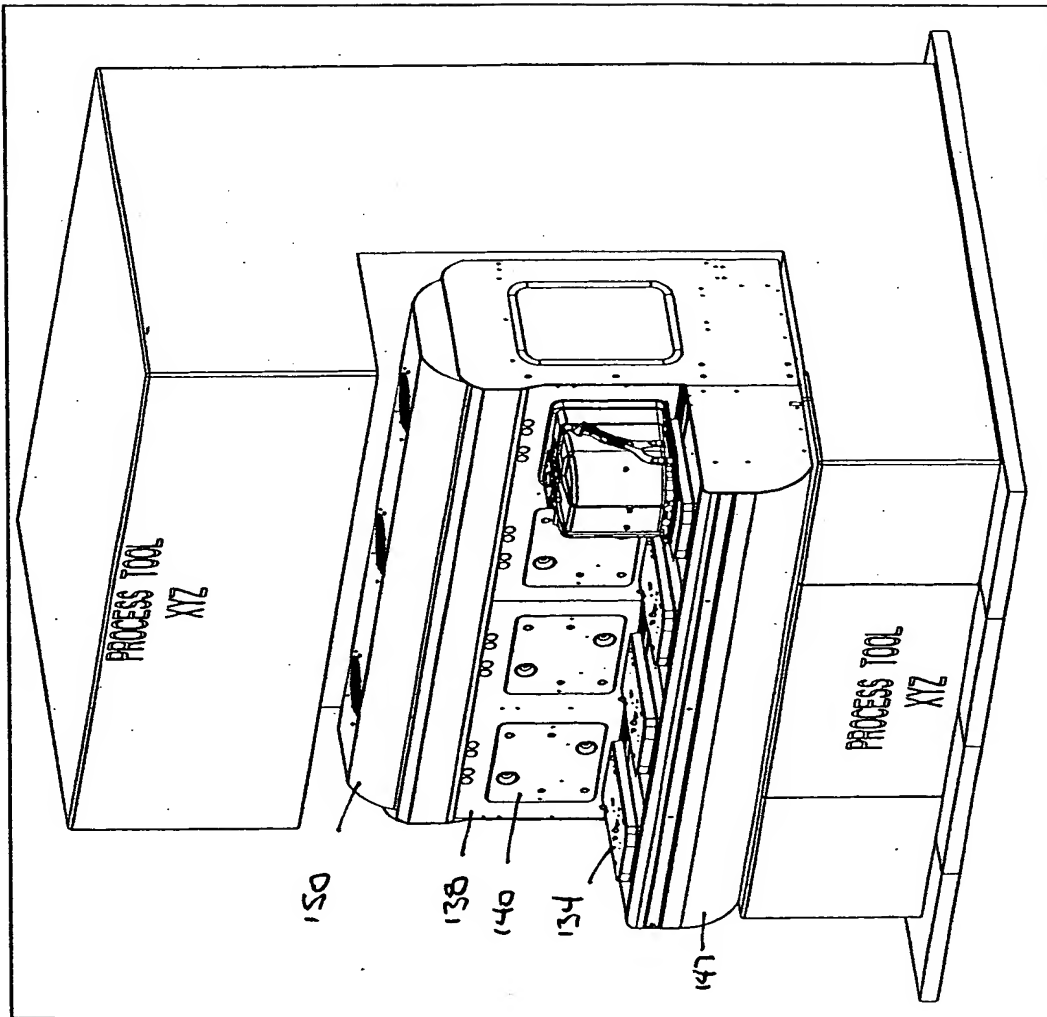


Fig. 30A

10087400 03010



Title: WAFER ENGINE  
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Conf No: Unknown  
Filed: Herewith

Inventor(s): Anthony C. [redacted] et al.  
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Phone: (415) 362-5000  
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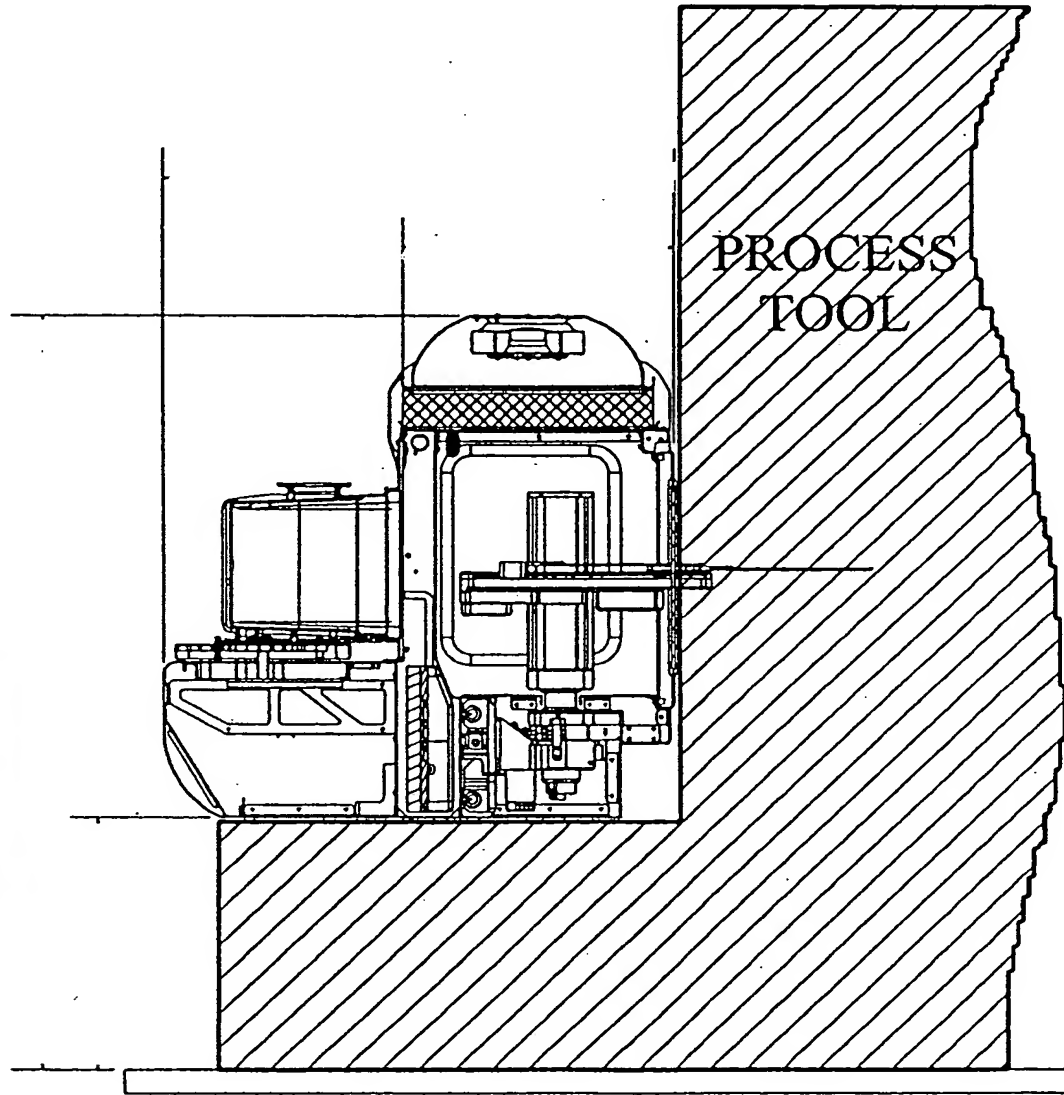


FIG. 30B

10087400-030102

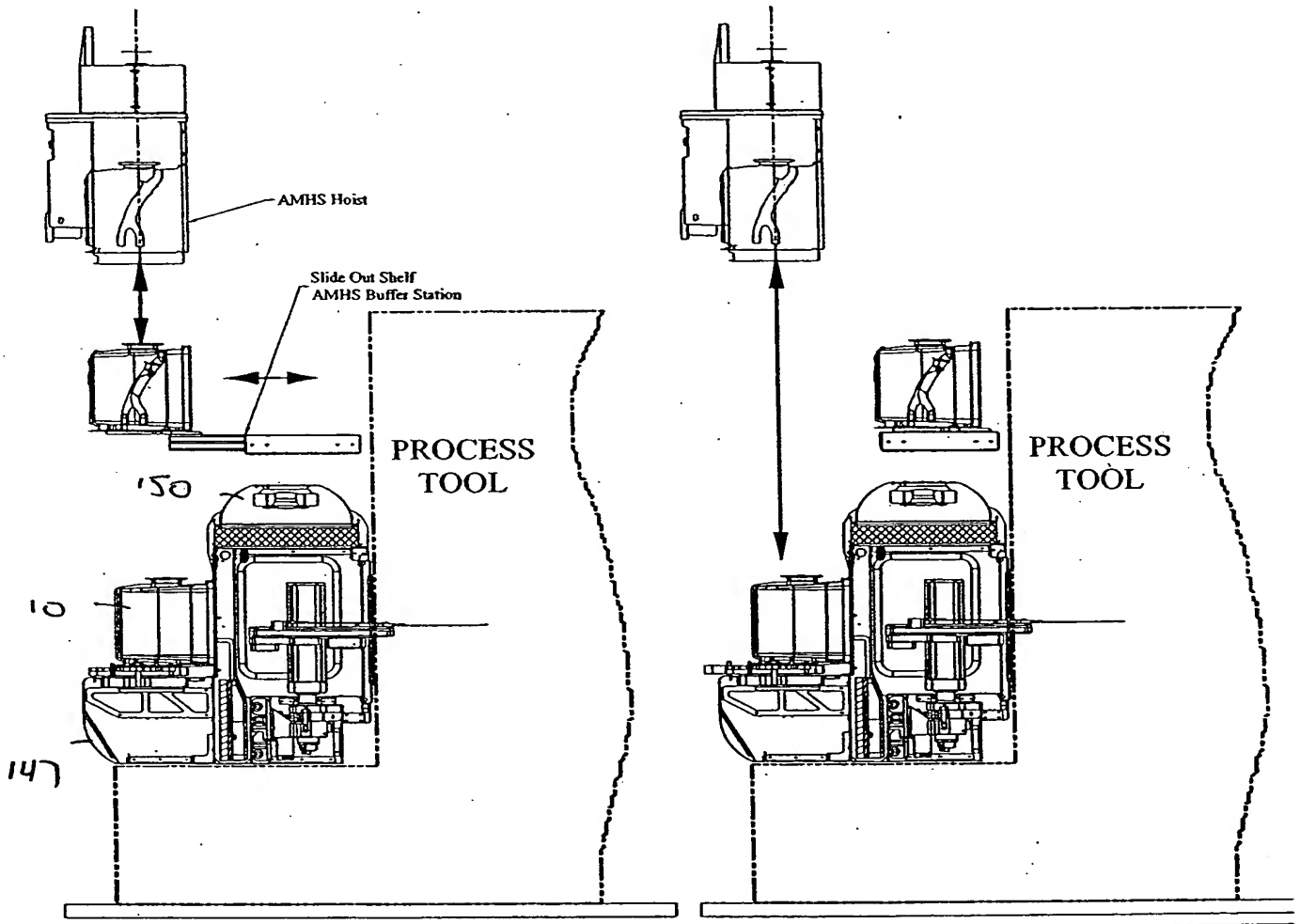


FIG. 31

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 Phone: (415) 362-3800  
 Express Mail No.: EL670726207US

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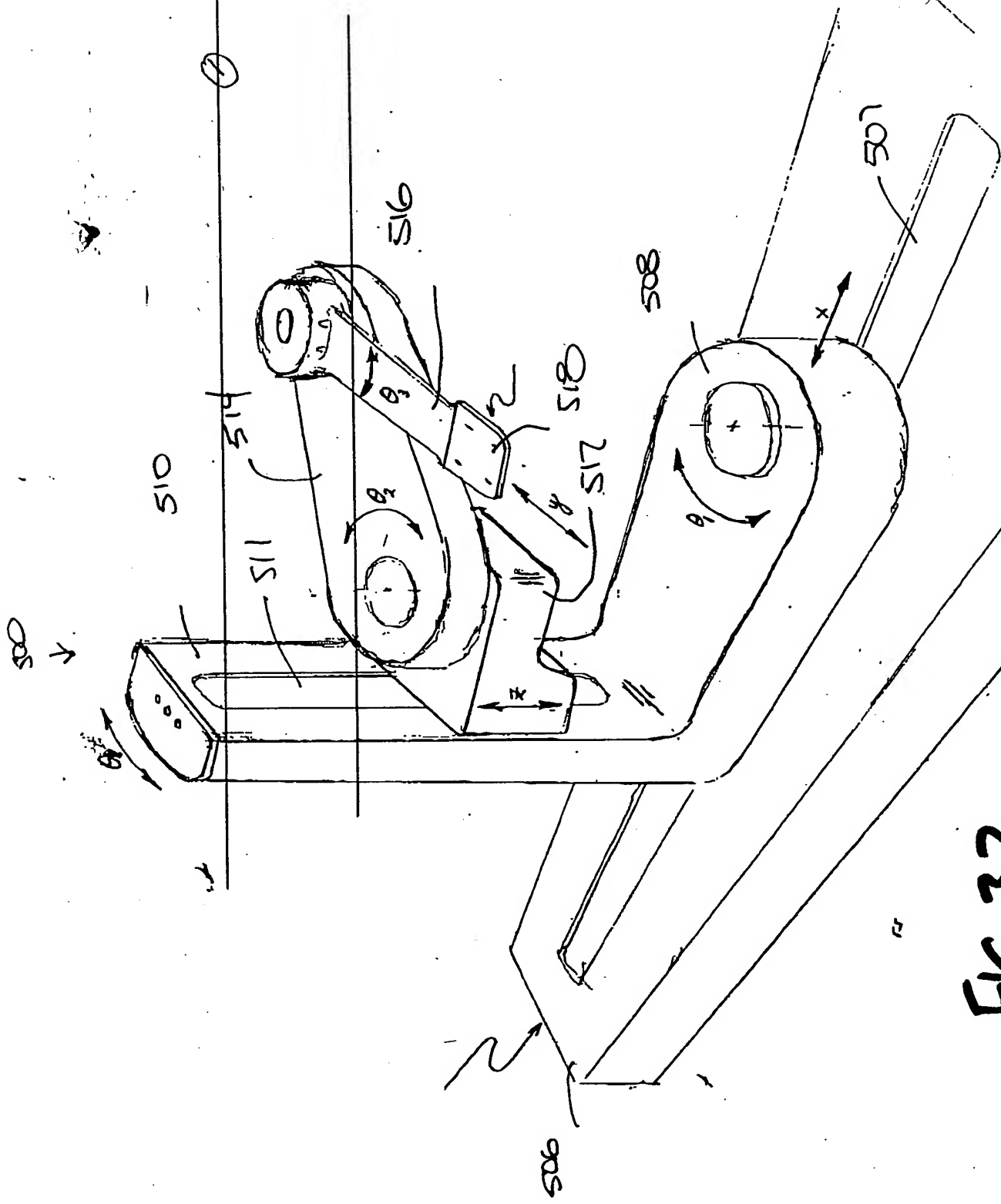


FIG. 32

10087400.030102